

SOME FISHES ARE LUMINOUS

They Are the Only Vertebrates Known to Be Possessed of the Power of Light-Giving.

Luminous animals are widely scattered among the invertebrates, but the special research of Prof. Ulric Dahlgren of Princeton university shows that the only light-giving vertebrates certainly known exist in the lowest of the five classes—the fishes. Certain reports of this power in porcupines and birds, however, are thought to merit further investigation.

Of the fishes, thousands of species are undoubtedly light-producers, most of them living in the abysmal depths of the ocean, but some of them belonging near the deep-sea surface, while a few lurk about the shores under stones or buried in mud. All luminous forms are confined to salt water. Some of the sharks emit a beautiful light, a notable example being the Spinax niger, not more than two feet long, which lives on the muddy bottom of the deep ocean off the Asiatic coast, in the Mediterranean, and in other tropical waters. This little shark in Japan has a dark-colored back, with nearly black bands, splashes and stripes cutting into the brown of the under side of the body; and it is these dark under portions that may give out a very bright and long-continued blue-green glow.

The light-giving patches have a large number of slightly raised black points. The microscope shows that certain modified epithelium cells have each a single large granule of photogenin, the light-producing proteid, and that thicker, vacuole-containing cells above these seem to serve as irregular lenses. One of the lachian fishes—the torpedo, or electric ray—gives both light and an electric shock.

MADE A FOOL



"You're making a fool out of me."
"Why, you always claim to be a self-made man."

OUR COUNTRY.

Our country produces 66 per cent of the world's petroleum, 60 per cent of the copper, 40 per cent of its coal and iron. Within 50 years our country gave in subsidies to railroads public lands that exceeded in size a territory seven times as large as the state of Pennsylvania.

DEVOTION.

"I love every hair on my wife's head," said a man.
"No doubt," said the wife.
"I even feel a mild affection for the knock around on her head."

PREPARATIONS.

"This is Hamfat college?" asked a man.
"The same. Here's where we teach young ideas how to shoot."
"I met some of your boys last night loaded."

FALSE IMPRESSIONS.

"Is there no affinity between love and beauty?" asked a man.
"But there is! Just look at the beautiful blondes."

ITS SPECIES.

"I'm afraid this rose cold is going to ruin the family," said a man.
"It must be of the rambler species," said the wife.

DEFINED.

"When is a man a pinhead?" asked a man.
"When he is sharper people than he is, and tries to keep the point from being sharpened further."

IN PROPORTION.

"I only regret," said a young man, "in offering his military services, that I have only one thing to give to my country."

SHIPS' MASCOTS LOSE NERVE

Pet Animals on British Vessels Show the White Feather When Shells Begin Exploding.

There are some incidents about the mascots in the big naval battle of Jutland which are worth repeating. The mascot on the Tiger was a bulldog, a fine fellow. When getting into the battle the crew were a bit concerned as to how their favorite would take the crashing of high explosives on the ship, so they plugged his ears with cotton wool, wrapped his head around as if he had a heavy dose of toothache, and a couple of men took the bulldog, much to his annoyance, to a room that was thought to be as quiet as the ship could provide. The dog didn't quite fancy being treated as an invalid and resented the coddling, but when the shots began he took it pretty badly and was mighty glad he had a pat sitting on either side holding him by the paws.

Another boat had a fine, big black cat. He was overlooked when they got into action, and the first shell that came aboard this fellow got loose and took a flying dive overboard. As the boat was going about 27 knots, even the most tender-hearted Jack Tar could hardly risk going after Tommy. On another ship they had a little bantam, which strutted about more proudly than the dinkiest midshipman and with as big a show of courage as the hardest of old seadogs. The tars were proud of the "swank" their pet could assume before strangers. When the first German shell crashed on board the bantam lost all his fine show and flew down one of the ventilators. When he was rescued and photographed after the fight he presented a bedraggled appearance.—London Post.

MUSIC NEED OF FIGHTING MEN

Blare of Band Instruments Brings Cheer to Troops and Is Just as Necessary as Ammunition.

"The blare of the trombone, the shrill note of the piccolo and the drums blending with other band instruments in a military organization give cheer to the men with the guns and is just as necessary as ammunition," says Charles H. Parsons of New York. "During the Spanish-American war the tunes happily accepted were those of the vaudeville stage, when 'There'll Be a Hot Time in the Old Town Tonight' was said to have led troops to the capture of San Juan hill. The old Civil war melodies having the swing of march cadence were first of all, 'Dixie,' probably used, at least hummily, by the soldiers of the North, as those who followed the 'Stars and Bars.' And it is worth while to recall that 'Dixie' was the most popular of all the melodies strummed in camp and sung in action of all the old-time songs during the war of 1863. 'Canned music will give to the boys at the front much of their entertainment evenings to come,' added Mr. Parsons. 'The phonographic records will cheer many groups. And they will have programs provided by the stars of the operatic world and other entertainers who may not give to them their cheer first hand.'

Would Use Water for Fuel.

Recently an inventor attracted considerable attention by claiming to have isolated a certain green chemical compound of which to water would make the water a substitute for gasoline in internal-combustion engines. Now comes another inventor with a process for utilizing water as an automobile fuel. He points to the well-known fact that water is decomposed into its elements, hydrogen and oxygen, when a current of electricity passes through it. Hydrogen mixed with air is more explosive than gasoline vapor. In his patented device the inventor would convert part of the power generated by the automobile engine into electrical energy, which he would use to decompose water. The hydrogen of the decomposed water he proposes to use to run the engine, securing enough surplus power in the cycle to drive the car.

Knows When to Quit.

Handled intelligently, a mule is a most willing worker; but there are a few unwritten laws that cannot be transgressed with impunity. A mule will seldom make more than two attempts to move a load. On the first strain he will throw his whole force into the collar, and a mule can pull 50 per cent more in relation to his weight than a horse. Science is again dumb at the question whence comes that latent force which neither horse nor ass possesses. After a short rest the mule will make a second attempt, but this is seldom as sustained as the first. If the load still refuses to move the team might as well be unhitched. At times the mules will not even exert enough force on a third attempt to move an empty wagon.

Yielding to Necessity.

There is, as Ctesias pointed out, such a thing as a "noble yielding to necessity," which is accounted divine. A man must, of course, be convinced that what he yields to is in truth necessity. But when that is clear there should be no repining, and no fear of what "others may say." Until it is clear there should be no yielding. The poet, who was sad because he could not paint a picture, and the painter who mourned because he could not write a poem, were surely most unreasonable. They clearly knew nothing of the doctrine of diversity of gifts. The doctrine is not only true but in the highest degree, consoling and cheering.—Exchange.

"TICKLED HIM IN THE EYE"

Man Accused of Assaulting Fellow Passenger on Street Car Explains Cause of Trouble.

"I am altogether too busy seeking work to spend a moment seeking trouble," explained a passenger who was yanked off a New York street car by a policeman. The passenger contended that he should not be arrested.

"That fellow there started this fight by gawkin' at me for ten minutes," he explained, pointing to another passenger standing beside the officer. "I saw him looking at me or just beyond me, and every now and then he'd shake his head and sigh as if he thought it was too bad I was alive. I didn't know what was the matter with him, and finally I went over to him and asked him. It was when he told me that I gave him the clip in the eye. I thought he was trying to be fresh."

"What did he say?" asked the cop. "I asked him what he was gawking at and he said he was worrying about his son. I felt kinda sorry for him for a minute thinking he hadn't been looking at me at all, and asked him what was the matter with his son. Then he pulled a big sigh and said his son had ears like mine. So I just tickled him in the eye."

For which tickle the passenger was haled to the house with the green light.

HAD FOUGHT IN 132 BATTLES

And Now Grandson of Garibaldi, After Battling All Over the World, Is With Allies' Forces.

In the Cornhill Magazine appears a remarkable interview with the grandson and namesake of the famous Italian liberator, Garibaldi, now fighting on the Col de Lana, says the London Globe. His father brought up his seven sons to look to bear their traditional part in the fight for freedom, in which he foresaw Europe would be engaged. Giuseppe, in particular, was told, "Some day you will be needed in Europe. Until then make yourself ready by taking part in every war you can."

Consequently, up to the breaking out of the present war he had fought on 132 battlefields, not counting skirmishes. When the war began he had just come through a Mexican revolution, and was in New York with Ricotte. Menoth was in China on a railroad engineering staff, Saute on the Assouan Dam, Bruno on a sugar plantation in Cuba, while the youngest, Constanza and Ezia, were at their studies in Italy, while their sister, Italia, was organizing Red Cross work in Rio de Janeiro, but they were called by cable from their father to rendezvous in Paris.

SCOTLAND YARD'S NEW BOSS.

Scotland Yard would appear to be governed in these days by a mythical lady who always manages to keep in the background. Several inquirers have been informed of late that "Dora" makes it impossible for their requests to be granted. "Dora" is always in evidence. She won't let you do this and she objects to that, but always quite politely. Who is Dora? Who is she, that bold, bad men condemn her? The secret leaked out recently. She is nothing more dreadful than the official name for the defence of the realm act.—London Chronicle.

FOREWARNED.

Mrs. Youngbride—I don't want to have any trouble with you, Bridget.

Cook—Then, bedad, ma'am, let me hear no complaints.

MEANS WANTING.

"The German soldiers can no longer make a clean sweep in their attacks." "Why not?" "They are out of soap."

MISNOMER.

"The new play is called 'The Last Stand.'"

"Then how can they expect it to have a run?"

NOT A THING.

"I confess I felt cheap." "You're getting out of step with the times, old chap. Nothing is cheap nowadays."

WOMANLIKE.

Mrs. Newlywed—And, dear, drop in at Dacy's and see if you can match this silk. If it's so common I don't want any more of it.

ABANDON FOOD PREJUDICES

Don't Be Finicky

I'm willing to try new foods. Certain plentiful and nourishing foods widely used and enjoyed in one section are practically unknown in other sections of the country. Learn to know ALL the good things; not a few only.

People too easily get into food ruts—insist on eating only the food they are used to and refuse to give a fair trial to others. This causes undue demand for certain staples, with resulting scarcity or high prices when crops are short. At the same time other valuable foods may be relatively cheap and available. A striking instance of this is failure fully to appreciate rice—a valuable source of starch—when potatoes are scarce and high. Another example is refusal in certain sections to use anything but wheat as a breadstuff when corn—a valuable cereal widely used elsewhere as a breadstuff—is plentiful and relatively cheap.

Cook Food Properly

Learn how to cook all kinds of staple foods and to serve them in a variety of ways. Simple dishes well prepared are better than expensive foods badly cooked.

Many persons are prejudiced against certain good foods because, when first tried, the foods were improperly cooked or prepared.

Remove from your vocabulary "don't like" or "can't eat."

Most individual prejudices against widely popular foods either imaginary or baseless.

Try to like every simple food; give it a fair trial.

DEMONSTRATE THRIFT IN YOUR HOME
MAKE SAVING, RATHER THAN SPENDING, YOUR SOCIAL STANDARD

Reduce The High Cost of Living.

Gas is Safe
Gas is Clean
Gas is Reliable
Gas is Economical.

We have just received a shipment of new model Gas Ranges. All styles and sizes. One to suit every need. Terms in reach of every one.

Kentucky Public Service Co.
INCORPORATED.

KENTUCKY FAIRS.

Following are the dates of Kentucky fairs as far as reported to us. Secretaries are requested to correct any errors of omissions:

Hodgenville, Sept. 4, 3 days.
Bowling Green, Sept. 5, 4 days.
California, Sept. 5, 4 days.
Kentucky State Fair, Louisville
Sept. 10, 6 days.
Scottsville, Sept. 13, 3 days.
Murray, Sept. 26, 4 days.
Paducah, October 2, 4 days.

Institutional Treatment of Tuberculosis

means that the patient is given constant attention; that the regime which is found to be best adapted to the case is rightly adhered to; that a resident physician is at hand all of the time, studying the case and adapting the treatment to it; that nursing service is the best. All of these things mean improvement, greater comfort and possible recovery. Hazelwood is operated without profit by the Louisville Anti-Tuberculosis Association. Rates \$12.50 a week. Write for detailed information.

Hazelwood Sanatorium

Station E DR. O. L. MILLER, Physician in Charge LOUISVILLE, KY

How Trees Grow.

Tree trunks do not grow in length between the tap root and the lowest branch. Also the tap root when cut off at a specific length always remains the same length, for it is but the trunk or body below the soil. Both root and body may branch, or lengthen by new leaders.

The Mexican's Hat.

It appears that the Mexican sombrero is its owner's pride, and that he expends more money and greater care in the selection of his hat than any other item of his wardrobe. He may be quite poor, but he will spare no expense for his headgear. He will cheerfully lay down for the purchase of a hat he covets the savings of a long period, the fruit of much toil, and all for a queer-looking sugar-loaf, wide-brimmed, heavily corded hat. Many a shabbily dressed greaser wears a \$50 hat.

Fifty-Fifty.

Passing a hand over his forehead, the worried drill-sergeant paused for breath as he surveyed the knock-kneed recruit. Then he pointed a scornful finger. "No," he declared, "you're hopeless. You'll never make a soldier. Look at you now. The top 'alf of your legs is standin' to attention, an' the bottom 'alf is standin' at ease!"—Tit-Bits.

Ponder This.

Happiness comes to us by degrees. We have to bite through the bread before we reach the chicken in the sandwich.—Indianapolis Star.

Advice Like Snow.

Advice is like snow; the softer it falls, the longer it dwells upon and the deeper it sinks into the mind.—Coleridge.

Used 40 Years

CARDUI

The Woman's Tonic

Sold Everywhere